



Seit 1877

Kiefer

Luft- und Klimatechnik

Neue Wege mit Luft

Chilled Ceiling Panel INDUCOOL

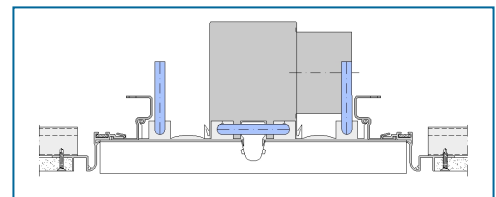
Pressehaus Stuttgart

The architects Pfeiffer, Ellermann and Preckel have given a thorough facelift to this publishing house dating from the seventies and featuring nine storeys, a square floor plan and fair-faced concrete facades. Two separate entries have been merged into a single, open-plan main entrance with a spacious foyer, which harmoniously unites old and new. The reflective travertine floor and the elegant reception area, equipped with an innovative visitor guidance system, allow scope for light and air in equal measure.



Photo: Wilhelm Mierendorf

INDUCOOL elements with KL3 GK air-guide profiles for installation in plaster ceilings



Function Chilled ceiling panel INDUCOOL

INDUCOOL cools with air and water. Most of the thermal energy is removed quickly and economically by cooling water. High-quality air diffusers ensure a high degree of comfort and optimum air distribution.

System advantages

- Greater thermal comfort with low air velocity
- Chilled ceiling panels require only 5-10% of ceiling area
- Reduced energy costs by exploiting the cooling potential of outdoor air
- High cooling capacity, up to 500 W/m
- Temperature differences down to -14 K
- Integration of cooling panels into cost-effective standard ceilings
- A full-surface cooling-water system is not required

Building:	Pressehaus Stuttgart
Architects:	Pfeiffer, Ellermann, Preckel Lüdinghausen
Proprietor:	Pressehaus Stuttgart Grundstücksverwaltung GmbH, Stuttgart
Consultant, building services:	AXIMA GmbH Stuttgart
Ventilation system component:	Chilled ceiling panel INDUCOOL
Type of ceiling:	Plasterboard ceilings
Scope:	2,500 m² conditioned area
Active ceiling area:	< 10 %
Specific cooling load:	50-125 W/m²
Specific air flow:	9-12 m³/hm²

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Hotel Le Royal Méridien, Hamburg

Dining with a view. The hotel Le Royal Méridien offers you just that in the hotel's own Restaurant Le Soleil. From all eight floors the guests here have a fantastic view over the Outer Alster.

Air-conditioning is here a question both of well-being and of design. Stringent technological and design requirements are combined in a harmonious, functional whole.



Photo © Joi-Design, Hamburg



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Building:	Restaurant Le Soleil in Le Royal Méridien, Hamburg
Interior architects	JOI-Design Hamburg
Proprietor:	Hotel Le Royal Méridien Hamburg
Consultant, building services:	Ingenieurgesellschaft mbH epm Essen
Ventilation system: component	INDUCOOL chilled ceiling panel
Type of ceiling:	Plasterboard ceilings
Scope:	250 m² conditioned area
Active ceiling area:	< 10 %
Specific cooling load:	60-120 W/m²
Specific air flow:	10-15 m³/hm²



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EURO PLAZA Vienna

EURO PLAZA in Vienna is continuing to grow and will soon be the biggest in its class. Steel, glass and aluminium facades, which radiate elegance and transparency in equal parts, are complemented by a spacious atrium in which numerous seating arrangements between arcades and lawns provide ideal surroundings for relaxation. Inside the building, a prestigious foyer leads to the individual offices. The EURO PLAZA combines work and leisure, comfort and service with modern architecture and innovative design right in the centre of Vienna.



Photo: © Anna Blau

EURO PLAZA Vienna, building phase 1



Foto: © Anna Blau



EURO PLAZA Vienna, building phase 4

Features

The technical standard of the EURO PLAZA office complex is currently the highest in Vienna.

The combination of modern architecture and elegantly designed facades with external sun screens, false floors, suspended ceilings, chilled ceiling panels, individually controlled ventilation, and an open-plan concept for flexible usage in the centre of Vienna has attracted well-known companies, for example, Asfinag, AT&S, Danone, EMC, Hewlett-Packard, Kapsch AG, L'Oréal, Microsoft, Schering, Steelcase, Strauss & Partner, and many others.

Chilled-ceiling panel INDUCOOL

EURO PLAZA, Vienna



INDUCOOL and INDUL in the EURO PLAZA conference centre
Photos: © Anna Blau



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- Temperature differences down to -14 K
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- A full-surface cooling-water system is not required
- Es wird kein vollflächiges Kühlwassersystem benötigt

Building:	EURO PLAZA, Vienna
Architects:	Neumann + Partner, Vienna
Proprietor:	KAPSCH Immobilien GmbH, Vienna
Project development: Property developer and project manager	Strauss & Partner Immobilien GmbH, Vienna
Consultant, building services:	Scholz Ingenieurgesellschaft mbH, Stuttgart / Dresden / Vienna
Construction phases 1-4 and Wienerbergstrasse building	
Gross surface area:	128,000 m²
Scope of order:	13,200 rm. INDUCOOL chilled ceiling panels
	4,500 rm. INDULType V45 linear diffusers
Completion period:	2002-2008



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Technology Centre Engel, Schwertberg

A family managed company based in Schwertberg, Austria, ENGEL is a world leader in the manufacture of machinery for plastics processing. New technologies and the most modern production equipment can be taken for granted at ENGEL.

With this new building for its Technology Centre in Schwertberg, the company sets a further innovative signal for the future. The sectors technical development, design of small and medium-sized machines, quality assurance, the training centre, sales and marketing, and the personnel department are located here.



Photo: © ENGEL AUSTRIA GmbH

INDUCOOL in the Technology Centre Engel in Schwertberg

ENGEL
be the first.

Photo: © ENGEL AUSTRIA GmbH



New building for Technology Centre Engel in Schwertberg

Features

The new Technology Centre at the main works in Schwertberg, with a gross area of over 12,000 m², is one of the most significant construction projects in the history of Engel. In the new building, the firm's development capacity will be restructured and interlinked. The high demands on modern equipment apply not just to the technical installations, but also to the efficient use of energy.

Besides comfort and design, here energy-saving air-conditioning and a good working environment are equally assured to create optimum conditions for employees and customers.

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Technology Centre Engel, Schwertberg



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Building:	Technologiezentrum Engel, Schwertberg
Architects:	Architekturbüro Kada, Graz
Proprietor:	ENGEL AUSTRIA, GmbH
Consultant TGA:	BHM Ingenieure, Linz
Gross area:	15,000 m²
Conditioned area:	6500 m²
Scope of order:	1000 rm. of INDUCOOL chilled ceiling panels
Completion:	2009

INDUCOOL in Technology Centre ENGEL
Photos © ENGEL AUSTRIA GmbH

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Krones AG, Neutraubling

Krones plans, develops, manufactures and installs machinery and complete installations for filling and packaging; the company is the world market leader in its field. The new seven-storey technology centre in Neutraubling features imposing architecture and incorporates sophisticated technology.



Photos © Krones AG

Function chilled ceiling panel INDUCOOL

INDUCOOL cools with air and water. Most of the thermal energy is removed quickly and economically by cooling water. High-quality air diffusers ensure a high degree of comfort and optimum air distribution.

System advantages

- Greater thermal comfort with low air velocity
- The chilled ceiling panels require only 5-10% of ceiling area
- Reduced energy costs by exploiting the cooling potential of out door air
- High cooling capacity, up to 500 W/m
- Temperature differences down to -14 K
- Integration of cooling panels into cost-effective standard ceilings
- A full-surface cooling-water system is not required

Building:	Krones AG, Neutraubling Technology Centre
Proprietor:	Krones AG, Neutraubling
Ventilation system component:	Chilled ceiling panel INDUCOOL
Features:	Special intermediate ceilings with height reduced to only 11.5 cm INDUCOOL requires a height of just 95 mm for installation
Type of ceiling:	Metal coffered ceiling
Scope:	11,000 m² conditioned area
Active ceiling area:	< 10 %



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Altes Schloss, Stuttgart

The visiting-exhibition area on the third floor of the Altes Schloss in Stuttgart has been equipped with new security and air-conditioning systems. Predominant concerns were the stringent requirements relating to the preservation and structure of the historic building in addition to functionality and efficiency.

The objective was to condition an 1,100 m² exhibition area with a room height of 3.7 m and an anticipated cooling load of 70 kW (64 W/m²) by means of a 6,000 m³/h primary air volume flow (5.5 m³/hm²). The cooling panels were to be freely suspended in the room on visible mountings. Eight parallel lighting strips are installed, spaced 2,500 mm apart and integrated into the cooling panels.



Photo: © LMZ

This ancient castle lies in the heart of Stuttgart. The first castle was built about 950 AD to defend the Stutengraben from which Stuttgart derives its name. Conversion of the moated castle to a renaissance palace was completed by 1570. Following a major fire in 1931 and damage during the Second World War, the entire complex was rebuilt and today houses the Württemberg State Museum.



Details of visible installation

Individual INDUCOOL-Compact elements with cable trays on both sides and strip luminaires.

Features

Air conditioning for a museum presents special challenges. Works of art are displayed whose preservation in sound condition demands unconditional protective measures whether for permanent or for visiting exhibits.

From the conservation viewpoint the most important criteria are maintaining a specific, constant temperature, adequate humidity suitable for the absorption characteristics of the material exhibited, and an appropriate intensity of illumination.

Whereas, in museums with permanent exhibitions, the conditions in the rooms can be adjusted to suit the exhibits, for temporary exhibitions, it is frequently necessary to develop specific air-conditioning concepts for particular spaces.

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Building:	Altes Schloss (Ancient Castle) Visiting-exhibition area Stuttgart
Proprietor:	Staatliches Vermögens- und Hochbauamt Stuttgart
Consultant, building services:	Krebs Ingenieure Ditzingen
Ventilation system component:	Chilled-ceiling panel INDUCOOL
Type of installation:	Visible mountings
Scope:	1,100 m² conditioned area
Active ceiling area:	< 10 %
Specific cooling load:	60-120 W/m²
Specific air flow:	10-15 m³/hm²

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Barclays Bank, London

The headquarters of Barclays Bank in the centre of London's Docklands is a 156 metre high, 32 storey skyscraper, making it the sixth highest in London. It forms part of the Canary Wharf office complex. The major firms located here include international banks such as HSBC, Citigroup, Barclays Bank and Bank of America, several media and newspaper companies, for example The Independent, Reuters and the Daily Mirror, and other large organisations. Barclays Bank PLC, is a financial concern with substantial international operations. Barclays is the third largest bank in Great Britain and has 118,000 employees worldwide. Within the framework of a redevelopment concept the building has been technical equipped with chilled ceiling panels INDUCOOL.



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Building:	Barclays Bank PLC 1 Churchill Place Canary Wharf, Docklands, London
Proprietor:	Barclays PLC
Architects:	Hellmuth, Obata + Kassabaum (HOK), St. Louis, USA
Ventilation system component:	Chilled ceiling panel INDUCOOL
Type of ceiling:	Metal coffer ceiling
Scope:	12,000 m² conditioned area



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Klett Shop, Stuttgart

The Klett Verlag has opened its own shop in Stuttgart with a sales area of x m². There is an enormous selection of teaching and learning materials for all ages – a good assortment, logically arranged. The interior fittings in the yellow and orange Klett colours, curved, suspended textile strips, which not only introduce dynamics and colour, but also aid orientation, and optimal climatic conditions give the shop an elegant design and an inviting atmosphere.



Klett Shop, Stuttgart



Visible installation of INDUCOOL in Klett Shop, Stuttgart

Features

The air-conditioning system in the Klett Shop, Stuttgart combines optimised conditions in the rooms with an unusual design in which the air-conditioning equipment is used to create an overall architectural harmony. Visibly installed with great accuracy, neatness and attention to detail, the air-conditioning equipment becomes a real eyecatcher – function and design inseparably united.

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Building:	Klett Shop, Stuttgart
Architects:	Gottfried Beck, Stuttgart
Proprietor:	Klett Verlag, Stuttgart
Consultant:	Planungsunion, Fellbach
Ventilation system: component	INDUCOOL
Scope:	106 lfm. INDUCOOL
Feature:	Visible installation – air-conditioning equipment items are used as styling elements